

FILE 'HOME' ENTERED AT 17:47:25 ON 16 SEP 2005

=> Index bioscience agriculture dissabs

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

FULL ESTIMATED COST

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 0.21       | 0.21    |

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 17:48:09 ON 16 SEP 2005

78 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> s ((starch (A) encapsulat?) or (starch (A) bind?) (P) (((signal (w) peptide#) (a) translocat?) or transit (A) peptide#) and (chimer? or recombinant or fus?)  
UNMATCHED LEFT PARENTHESIS '((STARCH'

The number of right parentheses in a query must be equal to the  
number of left parentheses.

=> s ((starch (A) encapsulat?) or (starch (A) bind?)) (P) (((signal (w) peptide#) (A) translocat?) or transit (A) peptide#) and (chimer? or recombinant or fus?)

- 0\* FILE ADISNEWS
- 2 FILE AGRICOLA
- 0\* FILE ANTE
- 0\* FILE AQUALINE
- 0\* FILE BIOCOMMERCE
- 1\* FILE BIOENG
- 2 FILE BIOSIS
- 1\* FILE BIOTECHABS
- 1\* FILE BIOTECHDS

14 FILES SEARCHED...

- 2\* FILE BIOTECHNO
- 1 FILE CABA
- 4 FILE CAPLUS
- 0\* FILE CEABA-VTB
- 0\* FILE CIN

25 FILES SEARCHED...

27 FILES SEARCHED...

- 1 FILE EMBASE
- 1\* FILE ESBIODASE
- 0\* FILE FEDRIP
- 0\* FILE FOMAD
- 0\* FILE FOREGE
- 0\* FILE FROSTI

38 FILES SEARCHED...

- 1\* FILE FSTA
- 9 FILE GENBANK
- 0\* FILE KOSMET
- 1 FILE LIFESCI
- 2 FILE MEDLINE
- 0\* FILE NTIS
- 0\* FILE NUTRACEUT
- 0\* FILE PASCAL

54 FILES SEARCHED...

- 0\* FILE PHARMAML
- 2 FILE SCISEARCH
- 1 FILE TOXCENTER
- 3 FILE USPATFULL

68 FILES SEARCHED...

- 0\* FILE WATER

72 FILES SEARCHED...

- 0\* FILE CBNB

75 FILES SEARCHED...

- 0\* FILE ENVIROENG

17 FILES HAVE ONE OR MORE ANSWERS, 78 FILES SEARCHED IN STNINDEX

L1 QUE ((STARCH (A) ENCAPSULAT?) OR (STARCH (A) BIND?)) (P) (((SIGNAL (W) PEP  
TIDE#) (A) TRANSLOCAT?) OR TRANSIT (A) PEPTIDE#) AND (CHIMER? OR RECOM  
BINANT OR FUS?))

=> D rank

|     |    |            |
|-----|----|------------|
| F1  | 9  | GENBANK    |
| F2  | 4  | CAPLUS     |
| F3  | 3  | USPATFULL  |
| F4  | 2  | AGRICOLA   |
| F5  | 2  | BIOSIS     |
| F6  | 2  | MEDLINE    |
| F7  | 2  | SCISEARCH  |
| F8  | 2* | BIOTECHNO  |
| F9  | 1  | CABA       |
| F10 | 1  | EMBASE     |
| F11 | 1  | LIFESCI    |
| F12 | 1  | TOXCENTER  |
| F13 | 1* | BIOENG     |
| F14 | 1* | BIOTECHABS |
| F15 | 1* | BIOTECHDS  |
| F16 | 1* | ESBIOBASE  |
| F17 | 1* | FSTA       |

=> FIL F1-7 F9-12

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

8.85

9.06

FILE 'GENBANK' ENTERED AT 17:57:13 ON 16 SEP 2005

FILE 'CAPLUS' ENTERED AT 17:57:13 ON 16 SEP 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 17:57:13 ON 16 SEP 2005

CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'AGRICOLA' ENTERED AT 17:57:13 ON 16 SEP 2005

FILE 'BIOSIS' ENTERED AT 17:57:13 ON 16 SEP 2005

Copyright (c) 2005 The Thomson Corporation

FILE 'MEDLINE' ENTERED AT 17:57:13 ON 16 SEP 2005

FILE 'SCISEARCH' ENTERED AT 17:57:13 ON 16 SEP 2005

Copyright (c) 2005 The Thomson Corporation

FILE 'CABA' ENTERED AT 17:57:13 ON 16 SEP 2005

COPYRIGHT (C) 2005 CAB INTERNATIONAL (CABI)

FILE 'EMBASE' ENTERED AT 17:57:13 ON 16 SEP 2005

COPYRIGHT (C) 2005 Elsevier Inc. All rights reserved.

FILE 'LIFESCI' ENTERED AT 17:57:13 ON 16 SEP 2005

COPYRIGHT (C) 2005 Cambridge Scientific Abstracts (CSA)

FILE 'TOXCENTER' ENTERED AT 17:57:13 ON 16 SEP 2005

COPYRIGHT (C) 2005 ACS

=> s 11

|    |   |                |
|----|---|----------------|
| L2 | 9 | FILE GENBANK   |
| L3 | 4 | FILE CAPLUS    |
| L4 | 3 | FILE USPATFULL |

L5 2 FILE AGRICOLA  
 L6 2 FILE BIOSIS  
 L7 2 FILE MEDLINE  
 L8 2 FILE SCISEARCH  
 L9 1 FILE CABA  
 L10 1 FILE EMBASE  
 L11 1 FILE LIFESCI  
 L12 1 FILE TOXCENTER

TOTAL FOR ALL FILES  
 L13 28 L1

=> Dup rem l13  
 DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.  
 ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
 PROCESSING COMPLETED FOR L13  
 L14 16 DUP REM L13 (12 DUPLICATES REMOVED)

=> d l14 1-16 ibib abs  
 NO VALID FORMATS ENTERED FOR FILE 'GENBANK'  
 In a multifile environment, each file must have at least one valid  
 format requested. Refer to file specific help messages or the  
 STNGUIDE file for information on formats available in individual  
 files.  
 REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):SO AB TI AU LA PI

L14 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN  
 SO Eur. Pat. Appl., 29 pp.  
 CODEN: EPXXDW

AB A method of changing the size and shape of starch granules to improve  
 their suitability for industrial uses is described. The method involves  
 incorporating a synthetic starch-binding protein that contains a pair of  
 starch-binding domains into the starch granule. A **chimeric** gene  
 for a **fusion** protein containing two starch-binding domains of the  
 cyclodextrin glycosyltransferase of *Bacillus circulans* connected by the  
 proline-, threonine-rich peptide of the exoglucanase of *Cellulomonas fimi*  
 was placed under control of the potato gene for granule-bound starch  
 synthase and introduced into potato by *Agrobacterium*-mediated  
 transformation. Starch granules from transgenic tubers contained  
 .apprx.20% amylose and tended to form large clusters of granules that were  
 smaller than those found in control potato tubers. Rheol. properties of  
 the starch (gelling temperature and enthalpy) were changed with respect to  
 controls with the magnitude and direction of the change depending upon the  
 content of the starch-binding protein.

TI **Fusion** proteins containing starch-binding domains and their use  
 in modifying the size and morphology of starch granules for industrial use  
 IN De Vetten, Nicolaas Clemens Maria Henricus; Heeres, Paul  
 LA English

|    | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|----|---|------|----------|-----------------|----------|
| PI | EP 1473307  | A1   | 20041103 | EP 2003-76300   | 20030502 |
|    | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK   |      |          |                 |          |
|    | WO 2004096861   | A1   | 20041111 | WO 2004-NL290   | 20040503 |
|    | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |
|    | RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |

L14 ANSWER 2 OF 16 USPATFULL on STN  
 AB Hybrid polypeptides are provided formed with encapsulating regions from  
 genes that encode for anabolic proteins. More particularly, the present

invention relates to **recombinant** nucleic acid molecules that code for genes which encapsulate an attached protein within a matrix; preferably, these genes encapsulate a desired ("payload") polypeptide within starch, and more specifically within the starch granule matrix. Expression vectors comprising these **recombinant** nucleic acid molecules, and hosts therefor, and more specifically the starch-bearing portions of such hosts, transformed with such vectors, are also provided. Preferably, grain containing a foreign protein encapsulated within the starch is provided, useful to produce mammalian, fish and avian food. The invention also encompasses methods of producing purified protein from starch and particularly from starch granules, and industrial uses of such protein.

TI Starch encapsulation  
IN Keeling, Peter, Ames, IA, UNITED STATES  
Guan, Hanping, Ames, IA, UNITED STATES  
LA English  
PI US 2004185114 A1 20040923

L14 ANSWER 3 OF 16 USPATFULL on STN

AB The invention provides polynucleotides, preferably synthetic polynucleotides, which encode processing enzymes that are optimized for expression in plants. The polynucleotides encode mesophilic, thermophilic, or hyperthermophilic processing enzymes, which are activated under suitable activating conditions to act upon the desired substrate. Also provided are "self-processing" transgenic plants, and plant parts, e.g., grain, which express one or more of these enzymes and have an altered composition that facilitates plant and grain processing. Methods for making and using these plants, e.g., to produce food products having improved taste and to produce fermentable substrates for the production of ethanol and fermented beverages are also provided.

TI Self-processing plants and plant parts  
IN Lanahan, Michael B., Research Triangle Park, NC, UNITED STATES  
Basu, Shib Sankar, Apex, NC, UNITED STATES  
Batie, Christopher J., Durham, NC, UNITED STATES  
Chen, Wen, Cary, NC, UNITED STATES  
Craig, Joyce, Pittsboro, NC, UNITED STATES  
Kinkema, Mark, Durham, NC, UNITED STATES  
LA English  
PI US 2003135885 A1 20030717

L14 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1

SO Plant Molecular Biology (2003), 51(5), 789-801  
CODEN: PMBIDB; ISSN: 0167-4412

AB Modification of starch biosynthesis pathways holds an enormous potential for tailoring granules or polymers with new functionalities. In this study, we explored the possibility of engineering artificial granule-bound proteins, which can be incorporated in the granule during biosynthesis. The **starch-binding** domain (SBD)-encoding region of cyclodextrin glycosyltransferase from *Bacillus circulans* was **fused** to the sequence encoding the **transit peptide** (amyloplast entry) of potato granule-bound starch synthase I (GBSS I). The synthetic gene was expressed in the tubers of two potato cultivars (cv. Kardal and cv. Karnico) and one amylose-free (amf) potato mutant. SBDs accumulated inside starch granules, not at the granule surface. Amylose-free granules contained 8 times more SBD (estimated at ca. 1.6% of dry weight) than the amylose-containing ones. No consistent differences in physicochem. properties between transgenic SBD starches and their corresponding controls were found, suggesting that SBD can be used as an anchor for effector proteins without having side-effects. To test this, a construct harboring the GBSS I **transit peptide**, the luciferase reporter gene, a PT-linker, and the SBD (in frame), and a similar construct without the linker and the SBD, were introduced in cv. Kardal. The **fusion** protein accumulated in starch granules (with retainment of luciferase activity), whereas the luciferase alone did not. Our results demonstrate that SBD technol. can be developed into a true platform technol., in which SBDs can be **fused** to a large choice of effector proteins to generate potato starches with new or improved functionalities.

TI Microbial starch-binding domains as a tool for targeting proteins to

granules during starch biosynthesis  
AU Ji, Qin; Vincken, Jean-Paul; Suurs, Luc C. J. M.; Visser, Richard G. F.  
LA English

L14 ANSWER 5 OF 16 USPATFULL on STN

AB Hybrid polypeptides are provided formed with encapsulating regions from genes that encode for anabolic proteins. More particularly, the present invention relates to **recombinant** nucleic acid molecules that code for genes which encapsulate an attached protein within a matrix; preferably, these genes encapsulate a desired ("payload") polypeptide within starch, and more specifically within the starch granule matrix. Expression vectors comprising these **recombinant** nucleic acid molecules, and hosts therefor, and more specifically the starch-bearing portions of such hosts, transformed with such vectors, are also provided. Preferably, grain containing a foreign protein encapsulated within the starch is provided, useful to produce mammalian, fish and avian food. The invention also encompasses methods of producing purified protein from starch and particularly from starch granules, and industrial uses of such protein.

TI Starch encapsulation  
IN Keeling, Peter, Ames, IA, United States  
Guan, Hanping, Ames, IA, United States  
LA English  
PI US 6107060 20000822

L14 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN

SO PCT Int. Appl., 156 pp.

CODEN: PIXXD2

AB Hybrid polypeptides are provided formed with encapsulating regions from genes that encode for anabolic proteins. More particularly, the present invention relates to **recombinant** nucleic acid mols. that code for genes which encapsulate an attached protein within a matrix; preferably, these genes encapsulate a desired ("payload") polypeptide within starch, and more specifically within the starch granule matrix. Proteins containing such **starch-encapsulating** regions include soluble starch synthases I or II or III, granule-bound starch synthase, branching enzymes I or IIa or IIb, and glucoamylase, and their nucleic acid sequences are known to the literature. Expression vectors comprising these **recombinant** nucleic acid mols., and hosts therefor, and more specifically the starch-bearing portions of such hosts, transformed with such vectors, are also provided. For example, a plant expression vector is constructed containing the maize 10-kDa zein promoter, a maize **transit peptide**, a **starch-encapsulating** region from the soluble starch synthase I gene, and an attached gene fragment, for expression in rice. Preferably, grain containing a foreign protein encapsulated within the starch is provided, useful to produce mammalian, fish and avian food. The invention also encompasses methods of producing purified protein from starch and particularly from starch granules, and industrial uses of such protein.

TI Encapsulation of polypeptides within the starch matrix of **recombinant** plants using the starch-encapsulating domain in hybrid proteins

IN Keeling, Peter; Guan, Hanping

LA English

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 9814601  | A1   | 19980409 | WO 1997-US17555 | 19970930 |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
| RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| CA 2265514  | AA   | 19980409 | CA 1997-2265514 | 19970930 |
| AU 9748030  | A1   | 19980424 | AU 1997-48030   | 19970930 |
| AU 730427   | B2   | 20010308 |                 |          |
| EP 935665   | A1   | 19990818 | EP 1997-910730  | 19970930 |

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, FI

|               |    |          |                |          |
|---------------|----|----------|----------------|----------|
| CN 1239514    | A  | 19991222 | CN 1997-180232 | 19970930 |
| BR 9713242    | A  | 20000118 | BR 1997-13242  | 19970930 |
| US 6107060    | A  | 20000822 | US 1997-941445 | 19970930 |
| NZ 334637     | A  | 20010223 | NZ 1997-334637 | 19970930 |
| JP 2001505412 | T2 | 20010424 | JP 1998-516777 | 19970930 |
| MX 9903040    | A  | 20000331 | MX 1999-3040   | 19990330 |
| KR 2000048782 | A  | 20000725 | KR 1999-702770 | 19990330 |
| US 2004185114 | A1 | 20040923 | US 2003-628525 | 20030728 |

L14 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2

SO Molecular and General Genetics (1991), 228(1-2), 240-8  
CODEN: MGGEAE; ISSN: 0026-8925

AB The genomic sequence of the potato gene for starch granule-bound starch synthase (GBSS; waxy protein) has been determined for the wild-type allele of a monoploid genotype from which an amylose-free (amf) mutant was derived, and for the mutant part of the amf allele. Comparison of the wild-type sequence with a cDNA sequence from the literature and a newly isolated cDNA revealed the presence of 13 introns, the first of which is located in the untranslated leader. The promoter contains a G-box-like sequence. The deduced amino acid sequence of the precursor of GBSS shows a high degree of identity with monocot waxy protein sequences in the region corresponding to the mature form of the enzyme. The **transit peptide** of 77 amino acids, required for routing of the precursor to the plastids, shows much less identity with the **transit peptides** of the other waxy preproteins, but resembles the hydropathic distributions of these peptides. Alignment of the amino acid sequences of the 4 mature starch synthases with the Escherichia coli glgA gene product revealed the presence of at least 3 conserved boxes; there is no homol. with previously proposed **starch-binding** domains of other enzymes involved in starch metabolism. **Chimeric** constructs were used with wild-type and amf sequences to localize, via complementation expts., the region of the amf allele in which the mutation resides. Direct sequencing of polymerase chain reaction products confirmed that the amf mutation is a deletion of a single AT basepair in the region coding for the **transit peptide**. Premature termination of translation as a result of this frameshift mutation results in a small peptide. However, a protein reacting with anti-GBSS serum, slightly larger than the wild-type mature GBSS, can be detected in a membrane fraction from amylose-free tubers. A possible explanation for this phenomenon is discussed.

TI Sequence of the structural gene for granule-bound starch synthase of potato (Solanum tuberosum L.) and evidence for a single point deletion in the amf allele

AU Van der Leij, Feike R.; Visser, Richard G. F.; Ponstein, Anne S.; Jacobsen, Evert; Feenstra, Will J.

LA English

L14 ANSWER 8 OF 16 GENBANK® COPYRIGHT 2005 on STN

JOURNAL (SO): Unpublished

JOURNAL (SO): Submitted (01-SEP-2005) US DOE Joint Genome Institute, 2800 Mitchell Drive B100, Walnut Creek, CA 94598-1698, USA

TITLE (TI): Complete sequence of Nitrobacter winogradskyi Nb-255

TITLE (TI): Direct Submission

AUTHOR (AU): Copeland, A.; Lucas, S.; Lapidus, A.; Barry, K.; Detter, J.C.; Glavina, T.; Hammon, N.; Israni, S.; Pitluck, S.; Chain, P.; Malfatti, S.; Shin, M.; Vergez, L.; Schmutz, J.; Larimer, F.; Land, M.; Hauser, L.; Kyripides, N.; Lykidis, A.; Richardson, P.

AUTHOR (AU): Copeland, A.; Lucas, S.; Lapidus, A.; Barry, K.; Detter, J.C.; Glavina, T.; Hammon, N.; Israni, S.; Pitluck, S.; Chain, P.; Malfatti, S.; Shin, M.; Vergez, L.; Schmutz, J.; Larimer, F.; Land, M.; Hauser, L.; Kyripides, N.; Lykidis, A.; Richardson, P.

L14 ANSWER 9 OF 16 GENBANK® COPYRIGHT 2005 on STN

JOURNAL (SO): Unpublished  
 JOURNAL (SO): Submitted (27-JUL-2005) US DOE Joint Genome Institute,  
 2800 Mitchell Drive, Walnut Creek, CA 94598-1698, USA  
 TITLE (TI): Complete sequence of *Thiobacillus denitrificans* ATCC  
 25259  
 TITLE (TI): Direct Submission  
 AUTHOR (AU): Copeland,A.; Lucas,S.; Lapidus,A.; Barry,K.;  
 Detter,J.C.; Glavina,T.; Hammon,N.; Israni,S.;  
 Pitluck,S.; Chain,P.; Malfatti,S.; Shin,M.; Vergez,L.;  
 Schmutz,J.; Larimer,F.; Land,M.; Kyripides,N.;  
 Lykidis,A.; Richardson,P.  
 AUTHOR (AU): Copeland,A.; Lucas,S.; Lapidus,A.; Barry,K.;  
 Detter,J.C.; Glavina,T.; Hammon,N.; Israni,S.;  
 Pitluck,S.; Chain,P.; Malfatti,S.; Shin,M.; Vergez,L.;  
 Schmutz,J.; Larimer,F.; Land,M.; Kyripides,N.;  
 Lykidis,A.; Richardson,P.

L14 ANSWER 10 OF 16 GENBANK® COPYRIGHT 2005 on STN

JOURNAL (SO): Unpublished  
 JOURNAL (SO): Submitted (04-AUG-2005) US DOE Joint Genome Institute,  
 2800 Mitchell Drive B100, Walnut Creek, CA 94598-1698,  
 USA  
 TITLE (TI): Complete sequence of *Dechloromonas aromatica* RCB  
 TITLE (TI): Direct Submission  
 AUTHOR (AU): Copeland,A.; Lucas,S.; Lapidus,A.; Barry,K.;  
 Detter,J.C.; Glavina,T.; Hammon,N.; Israni,S.;  
 Pitluck,S.; Di Bartolo,G.; Trong,S.; Kellar,K.;  
 Schmutz,J.; Larimer,F.; Land,M.; Richardson,P.  
 AUTHOR (AU): Copeland,A.; Lucas,S.; Lapidus,A.; Barry,K.;  
 Detter,J.C.; Glavina,T.; Hammon,N.; Israni,S.;  
 Pitluck,S.; Di Bartolo,G.; Trong,S.; Kellar,K.;  
 Schmutz,J.; Larimer,F.; Land,M.; Richardson,P.

L14 ANSWER 11 OF 16 GENBANK® COPYRIGHT 2005 on STN

JOURNAL (SO): J. Bacteriol., 187 (13), 4627-4636 (2005)  
 JOURNAL (SO): Submitted (22-MAR-2005) Pediatrics, Columbus Children's  
 Research Institute, and The Ohio State University, 700  
 Children's Drive, Columbus, OH 43205, USA  
 TITLE (TI): Genomic sequence of an otitis media isolate of  
 nontypeable *Haemophilus influenzae*: comparative study  
 with *H. influenzae* serotype d, strain KW20  
 TITLE (TI): Direct Submission  
 AUTHOR (AU): Harrison,A.; Dyer,D.W.; Gillaspay,A.; Ray,W.C.;  
 Mungur,R.; Carson,M.B.; Zhong,H.; Gipson,J.; Gipson,M.;  
 Johnson,L.S.; Lewis,L.; Bakaletz,L.O.; Munson,R.S. Jr.  
 AUTHOR (AU): Munson,R.S. Jr.; Harrison,A.; Dyer,D.W.; Gillaspay,A.;  
 Ray,W.C.; Mungur,R.; Carson,M.B.; Zhong,H.; Gipson,J.;  
 Gipson,M.; Johnson,L.S.; Lewis,L.; Bakaletz,L.O.

L14 ANSWER 12 OF 16 GENBANK® COPYRIGHT 2005 on STN

JOURNAL (SO): Science, 307 (5714), 1463-1465 (2005)  
 JOURNAL (SO): Submitted (29-JUL-2004) Cerdeno-Tarraga A.M., submitted  
 on behalf of the Pathogen Sequencing Unit, Sanger  
 Institute, Wellcome Trust Genome Campus, Hinxton,  
 Cambridge CB10 1SA E-mail: amct@sanger.ac.uk  
 TITLE (TI): Extensive DNA inversions in the *B. fragilis* genome  
 control variable gene expression  
 TITLE (TI): Direct Submission  
 AUTHOR (AU): Cerdeno-Tarraga,A.M.; Patrick,S.; Crossman,L.C.;  
 Blakely,G.; Abratt,V.; Lennard,N.; Poxton,I.;  
 Corden,B.; Harris,B.; Quail,M.A.; Barron,A.; Clark,L.;  
 Corton,C.; Doggett,J.; Holden,M.T.; Larke,N.; Line,A.;  
 Lord,A.; Norbertczak,H.; Ormond,D.; Price,C.;  
 Rabinowitsch,E.; Woodward,J.; Barrell,B.; Parkhill,J.  
 AUTHOR (AU): Cerdeno-Tarraga,A.M.

L14 ANSWER 13 OF 16

GENBANK® COPYRIGHT 2005 on STN

JOURNAL (SO): J. Mol. Microbiol. Biotechnol., 7 (4), 204-211 (2004)  
JOURNAL (SO): Submitted (30-APR-2004) Institute of Microbiology and  
Genetics, Georg August University Goettingen,  
Goettingen Genomics Laboratory, Grisebachstr. 8,  
Goettingen D-37077, Germany  
TITLE (TI): The Complete Genome Sequence of *Bacillus licheniformis*  
DSM13, an Organism with Great Industrial Potential  
TITLE (TI): Direct Submission  
AUTHOR (AU): Veith,B.; Herzberg,C.; Steckel,S.; Feesche,J.;  
Maurer,K.H.; Ehrenreich,P.; Baeumer,S.; Henne,A.;  
Liesegang,H.; Merkl,R.; Ehrenreich,A.; Gottschalk,G.  
AUTHOR (AU): Veith,B.; Herzberg,C.; Steckel,S.; Feesche,J.;  
Maurer,K.H.; Ehrenreich,P.; Baeumer,S.; Henne,A.;  
Liesegang,H.; Merkl,R.; Ehrenreich,A.; Gottschalk,G.

L14 ANSWER 14 OF 16

GENBANK® COPYRIGHT 2005 on STN

JOURNAL (SO): Proc. Natl. Acad. Sci. U.S.A., 101 (39), 14240-14245  
(2004)  
JOURNAL (SO): Submitted (01-SEP-2004) Submitted on behalf of the  
Pathogen Sequencing Unit, Sanger Institute, Wellcome  
Trust Genome Campus, Hinxton, Cambridge CB10 1SA,  
E-mail: mh3@sanger.ac.uk  
TITLE (TI): Genomic plasticity of the causative agent of  
melioidosis, *Burkholderia pseudomallei*  
TITLE (TI): Direct Submission  
AUTHOR (AU): Holden,M.T.; Titball,R.W.; Peacock,S.J.;  
Cerdeno-Tarraga,A.M.; Atkins,T.; Crossman,L.C.;  
Pitt,T.; Churcher,C.; Mungall,K.; Bentley,S.D.;  
Sebaihia,M.; Thomson,N.R.; Bason,N.; Beacham,I.R.;  
Brooks,K.; Brown,K.A.; Brown,N.F.; Challis,G.L.;  
Cherevach,I.; Chillingworth,T.; Cronin,A.; Crossett,B.;  
Davis,P.; DeShazer,D.; Feltwell,T.; Fraser,A.;  
Hance,Z.; Hauser,H.; Holroyd,S.; Jagels,K.; Keith,K.E.;  
Maddison,M.; Moule,S.; Price,C.; Quail,M.A.;  
Rabbinowitsch,E.; Rutherford,K.; Sanders,M.;  
Simmonds,M.; Songsivilai,S.; Stevens,K.; Tumapa,S.;  
Vesaratchavest,M.; Whitehead,S.; Yeats,C.;  
Barrell,B.G.; Oyston,P.C.; Parkhill,J.  
AUTHOR (AU): Holden,M.T.G.

L14 ANSWER 15 OF 16

GENBANK® COPYRIGHT 2005 on STN

JOURNAL (SO): Genome Biol., 5 (10), R77 (2004)  
JOURNAL (SO): Submitted (14-JUL-2004) Novozymes Biotech Inc, 1445  
Drew Ave, Davis, CA 95616, USA  
JOURNAL (SO): Submitted (29-SEP-2004) Novozymes Biotech Inc, 1445  
Drew Ave, Davis, CA 95616, USA  
TITLE (TI): Complete genome sequence of the industrial bacterium  
*Bacillus licheniformis* and comparisons with closely  
related *Bacillus* species  
TITLE (TI): Direct Submission  
TITLE (TI): Direct Submission  
AUTHOR (AU): Rey,M.W.; Ramaiya,P.; Nelson,B.A.; Brody-Karpin,S.D.;  
Zaretsky,E.J.; Tang,M.; de Leon,A.L.; Xiang,H.;  
Gusti,V.; Clausen,I.G.; Olsen,P.B.; Rasmussen,M.D.;  
Andersen,J.T.; Jorgensen,P.L.; Larsen,T.S.; Sorokin,A.;  
Bolotin,A.; Lapidus,A.; Galleron,N.; Ehrlich,S.D.;  
Berka,R.M.  
AUTHOR (AU): Berka,R.M.; Rey,M.W.; Ramaiya,P.  
AUTHOR (AU): Berka,R.M.; Rey,M.W.; Ramaiya,P.

L14 ANSWER 16 OF 16

GENBANK® COPYRIGHT 2005 on STN

JOURNAL (SO): Science, 304 (5671), 728-730 (2004)  
JOURNAL (SO): Submitted (15-JAN-2003) Submitted by Matthias Horn,

Department of Microbial Ecology, University of Vienna,  
Althanstr. 14, A-1090 Wien, Austria, Email:  
horn@microbial-ecology.net Complete annotation  
available at: <http://mips.gsf.de/services/genomes/uwe25>

TITLE (TI):

TITLE (TI):

AUTHOR (AU):

Illuminating the evolutionary history of chlamydiae  
Direct Submission

Horn,M.; Collingro,A.; Schmitz-Esser,S.; Beier,C.L.;  
Purkhold,U.; Fartmann,B.; Brandt,P.; Nyakatura,G.J.;  
Droege,M.; Frishman,D.; Rattei,T.; Mewes,H.W.;  
Wagner,M.

AUTHOR (AU):

Horn,M.; Collingro,A.; Schmitz-Esser,S.; Beier,C.L.;  
Purkhold,U.; Fartmann,B.; Brandt,P.; Nyakatura,G.J.;  
Droege,M.; Frishman,D.; Rattei,T.; Mewes,H.; Wagner,M.

=>

## WEST Search History





DATE: Friday, September 16, 2005

| Hide?                    | <u>Set</u><br><u>Name</u> | <u>Query</u>  | <u>Hit</u><br><u>Count</u> |
|--------------------------|---------------------------|---|----------------------------|
|                          |                           | <i>DB=PGPB,USPT,USOC; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>   |                            |
| <input type="checkbox"/> | L9                        | 6130367.pn.   | 1                          |
| <input type="checkbox"/> | L8                        | 6130367.pn.5981728.oref.  | 0                          |
| <input type="checkbox"/> | L7                        | 5981728.oref.   | 0                          |
| <input type="checkbox"/> | L6                        | 5981728.uref.   | 1                          |
| <input type="checkbox"/> | L5                        | ((starch encapsulat\$ with region) or starch with bind\$) same (chimer\$ fus\$ recombinant) and transit and plant | 34                         |
| <input type="checkbox"/> | L4                        | ((starch encapsulat\$ with region) or starch with bind\$) same (chimer\$ fus\$ recombinant)                       | 340                        |
| <input type="checkbox"/> | L3                        | ((starch encapsulat\$ with region) or starch with bind\$) and (chimer\$ fus\$ recombinant)                        | 22529                      |
| <input type="checkbox"/> | L2                        | (starch encapsulat\$ with region) and fus\$3  | 4                          |
| <input type="checkbox"/> | L1                        | 5977437.pn.   | 1                          |

END OF SEARCH HISTORY